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In the Claims:

Please cancel claims 9-13 and 15 without prejudice and amend claim 14 as follows:

1. (PREVIOUSLY PRESENTED) Compounds of inhibitors of the enzymatic activity of dipeptidyl peptidase IV (DP IV), which compounds have the general formula A-B-C, wherein

A is an amino acid,

B is a chemical bond between A and C or is an amino acid, and

C is an unstable inhibitor of DP IV wherein said unstable inhibitor is a dipeptide compound having C-terminus with an active carbonyl group wherein said unstable inhibitor does not contain a boronate, phosphonate or trifluoroalkyl ketone group.

- 2. (PREVIOUSLY PRESENTED) Compounds according to claim 1, wherein B is selected from the group consisting of proline, hydroxyproline, thiazolidinecarboxylic acid, dehydroproline, pipecolic acid, azetidinecarboxylic acid and aziridinecarboxylic acid.
- 3. (PREVIOUSLY PRESENTED) Compounds according to claim 1 wherein, B is proline or hydroxyproline.
- 4. (PREVIOUSLY PRESENTED) Compounds according to claim 1 wherein said unstable inhibitor is a dipeptide compound having an active carbonyl group at the C-terminus selected from the group consisting of Ile-Thiazolidine, Ile-Pyrrolidine, Val-Thiazolidine and Val-Pyrrolidine.
- (PREVIOUSLY PRESENTED) Compounds according to claim 1 wherein said inhibitors are present in salt form.
- 6. (PREVIOUSLY PRESENTED) Compounds according to claim 1 wherein said inhibitors are present as organic salts such as acetates, succinates, tartrates or fumarates or inorganic acid radicals such as phosphates or sulphates.

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- 7. (PREVIOUSLY PRESENTED) Compounds according to claim 1 wherein A-B is a dipeptide of formula Ile-Pro or Gly-Pro and C is a dipeptidyl alkyl ketone compound.
- 8. (PREVIOUSLY PRESENTED) A pharmaceutical composition for oral administration comprising the compound of claim 1 and customary pharmaceutical carriers or excipients.
- 9. (CANCELLED) A method of preparing a pharmaceutical composition for the temporally controlled *in vivo* enzymatic inhibition of DP IV comprising providing a compound of the general formula A-B-C, wherein

A is an amino acid,

B is a chemical bond between A and C or is an amino acid, and

C is an unstable inhibitor of DP IV said unstable inhibitor is a dipeptide compound having a C-terminus with an active carbonyl group wherein said unstable inhibitor does not contain a boronate, phosphonate or trifluoroalkyl ketone group; and

preparing a pharmaceutical preparation containing said compound and customary pharmaceutical carriers or excipients.

- 10. (CANCELLED) The method of claim 9 wherein said compound is directed to cell-, tissue- or organ-specific enzymatic inhibition of DP IV.
- 11. (CANCELLED) A method of treating metabolic disorders in mammals by reducing elevated blood glucose as a result of modulating the DP IV enzymatic activity of a mammal comprising the step of administering to said mammal a therapeutically effective amount of a compound of the general formula A-B-C, wherein

A is an amino acid,

B is a chemical bond between A and C or is an amino acid, and

C is an unstable inhibitor of DP IV said unstable inhibitor is a dipeptide compound having a C-terminus with an active carbonyl group wherein said unstable inhibitor does not contain a boronate, phosphonate or trifluoroalkyl ketone group.

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- 12. (CANCELLED) The method of claim 11 wherein said compounds are used to treat metabolic-disorders in humans.
- 13. (CANCELLED) The method of claim 11 wherein said compounds are used to treat impaired glucose tolerance, diabetes mellitus, diabetic neuropathy and nephropathy and sequelae of diabetes mellitus in mammals.
- 14. (CURRENTLY AMENDED) A compound of claim 1 wherein said C is an unstable inhibitors of DP IV are selected from a group consisting of a dipeptidyl-alkyl ketone compound exempting fluore alkyl ketone compounds, a dipeptidyl chloroalkyl ketone, and dipeptidyl pyridinium methyl ketone radical and a dipeptidyl alkyl ketone compound exempting trifluoroalkyl ketone compounds.
- 15. (CANCELLED) The method of claim 11 wherein said method of administration is oral.
- 16. (PREVIOUSLY PRESENTED) Compound of inhibitors of the enzymatic activity of dipeptidyl peptidase IV (DP IV), which compounds have the general formula A-B-C, wherein

A is an amino acid,

B is a chemical bond between A and C or is an amino acid, and

C is an unstable inhibitor of DP IV wherein said unstable inhibitor is dipeptidyl cyanide.